

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>MA0007</b>	Overall LMA Rating	Total LMA Miles						
<b>Sutter Maintenance Yard Maintenance Area 0007</b>	<b>A</b>	<b>12.07</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.08%	0.07			
Trim / Thin Trees	0.01		0.01	0.08%				
Encroachments					3.89	0.04		
Animal Control	0.02		0.02	0.17%				
Slope Stability							0.01	
Erosion / Bank Caving	0.06		0.06	0.50%				
<i>Supplemental</i>								
USACE Erosion Survey	0.02		0.02	0.17%				
DWR UCIP Field Study					1.79	0.15		
<i>LMA Totals:</i>	0.12	0.00	0.12	0.99%	5.75	0.19	0.01	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2013 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0007**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	12.07
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/08/2013 - 04/08/2013		10/21/2013 - 10/21/2013	
DWR Inspector	Rick Burnett		Matthew Hoffman	
Accompanied By	Jason Cooper Sutter Maintenance Yard		Jason Cooper Sutter Maintenance Yard	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Feather River						Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman	
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	Photo
	Start	End					Start	End		
1			Earthen Levee	Operations & Maintenance Manuals	CR A Ma		°	°	1	
DWR ID: DWR_MA0007_01_s_2013_1										
2			Earthen Levee	Emergency Supplies & Equipment	CR A Ma		°	°	3	
DWR ID: DWR_MA0007_01_s_2013_3										
3			Earthen Levee	Flood Preparedness & Training	CR A Ma		°	°	4	
DWR ID: DWR_MA0007_01_s_2013_4										
4	0.01	1.73	Earthen Levee	Encroachments	LS M En	DT : Ditch	39.311297 ° -121.637490 °	39.334365 ° -121.633975 °	42 Y	
DWR ID: DWR_MA0007_01_s_2012_42										
5	0.42	0.42	Earthen Levee	Trim / Thin Trees	LS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove tree between levee crown and ditch on landward side.	39.316451 ° -121.633837 °	39.316451 ° -121.633837 °	216 Y	
DWR ID: DWR_MA0007_01_f_2013_216										
6	0.46	0.46	Earthen Levee	Animal Control	WS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodents holes were observed but no rodents visible at time of inspection.	39.317050 ° -121.633331 °	39.317050 ° -121.633331 °	217 Y	
DWR ID: DWR_MA0007_01_f_2013_217										
7	0.51	0.51	Earthen Levee	Slope Stability	LS M Ob	S1 : Repair slope instability. Inspector Comments: The irrigation ditch is starting to encroach into the prism of the levee on the landward slope.	39.317615 ° -121.632855 °	39.317615 ° -121.632855 °	218 Y	
DWR ID: DWR_MA0007_01_f_2013_218										
8	1.21	1.21	Earthen Levee	Encroachments	WS U En	BU : Building	39.327187 ° -121.632395 °	39.327187 ° -121.632395 °	33 Y	
DWR ID: DWR_MA0007_01_s_2012_33										
9	1.51	1.51	Earthen Levee	Crown Surface / Depressions / Rutting	CR A/W Ma	C2 : Repair depressions or ruts in the crown or slope.	39.331423 ° -121.633202 °	39.331423 ° -121.633202 °	219	
DWR ID: DWR_MA0007_01_f_2013_219										
10	1.54	1.54	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:7440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears abandoned, slide gate no longer on landward side; wood frame remains on LS; scour hole present, 3 feet by 3 feet, near wood frame. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete distribution box at the waterward toe. FS Date: 10/31/2012	39.331934 ° 39.331934 °	-121.633246 ° -121.633246 °	16	
DWR ID: DWR_MA0007_01_f_2013_16										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	

11	1.54	1.54	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:12983 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame. 5/10/2013 Same as last inspection. LS scour behind structure needs to be repaired. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete "U" headwall at the waterward toe. Irrigation ditch located on landward side. FS Date: 5/10/2013 7:44:30 AM	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	17 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_17

12	1.54	1.54	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:7301 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: abandoned; wood frame. remains of structure on LS where canal. scour hole 3 feet by 3 feet exposing headwall. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward and. Concrete distribution box at the waterward toe. FS Date: 10/31/2012	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	18
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DWR ID: DWR\_MA0007\_01\_f\_2013\_18

13	1.54	1.54	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:13138 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame. 5/10/2013 Same as last inspection. LS scour behind structure needs to be repaired. 5/13/2013 SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete "U" headwall at the waterward toe. Irrigation ditch located on landward side. FS Date: 5/13/2013 8:13:00 AM	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	19
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DWR ID: DWR\_MA0007\_01\_f\_2013\_19

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

14	1.54	1.54	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: abandoned; wood frame. remains of structure on LS where canal. scour hole 3 feet by 3 feet exposing headwall. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward and. Concrete distribution box at the waterward toe. FS Date: 10/31/2012	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	20
DWR ID: DWR_MA0007_01_f_2013_20									
15	1.54	1.54	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:9323 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete "U" headwall at the waterward toe. Irrigation ditch located on landward side. FS Date: 10/31/2012	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	21
DWR ID: DWR_MA0007_01_f_2013_21									
16	1.54	1.54	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame.5/10/2013 Same as last inspection. LS scour behind structure needs to be repaired.5/13/2013 SFBCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: Abandoned 12-inch CM pipe through the levee, 8.2 feet below the crown. Slide gate on the landward is no longer present. Concrete "U" headwall at the waterward toe. Irrigation ditch located on landward side. FS Date: 5/13/2013 8:13:52 AM	39.331934 ° -121.633246 ° 39.331934 ° -121.633246 °	22
DWR ID: DWR_MA0007_01_f_2013_22									
17	1.55	1.55	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011 - The toe of the levee has been excavated by the land owner. Small holes throughout the site have been filled with a plaster like substance. Large canal on landside slope and over the levee toe. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: FHR_47-5_R]	39.334240 ° 39.332000 ° -121.633908 ° -121.633178 °	2
DWR ID:									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_25

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
22	1.72	1.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9324 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall rebar exposed. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0051 however, no issue listed. FIELD_STRUCT_DESC: 10-inch PVC pipe encased in 12-inch CM irrigation pipe through the levee, 7.0 feet below the crown. Concrete "U" headwall at the waterward toe. Concrete headwall and slide gate on the landward side. Concrete weir in the canal. FS Date: 10/31/2012	39.334336 ° -121.634046 ° 39.334336 ° -121.634046 °		26
DWR ID: DWR_MA0007_01_f_2013_26										
23	1.72	1.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7445 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall rebar exposed. FIELD_STRUCT_DESC: 10-inch PVC pipe encased in 12-inch CM irrigation pipe through the levee, 7.0 feet below the crown. Concrete "U" headwall at the waterward toe. Concrete headwall and slide gate on the landward side. Concrete weir in the canal. FS Date: 10/31/2012	39.334336 ° -121.634046 ° 39.334336 ° -121.634046 °		27
DWR ID: DWR_MA0007_01_f_2013_27										
24	1.72	1.72	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8340 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall rebar exposed. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0051 no issue listed. FIELD_STRUCT_DESC: 10-inch PVC pipe encased in 12-inch CM irrigation pipe through the levee, 7.0 feet below the crown. Concrete "U" headwall at the waterward toe. Concrete headwall and slide gate on the landward side. Concrete weir in the canal. FS Date: 10/31/2012	39.334336 ° -121.634046 ° 39.334336 ° -121.634046 °		28
DWR ID: DWR_MA0007_01_f_2013_28										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

25	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:9325 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	29
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DWR ID: DWR\_MA0007\_01\_f\_2013\_29

26	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:8341 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 no issues noted. MEASURE DIAMETER. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	30
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DWR ID: DWR\_MA0007\_01\_f\_2013\_30

27	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: in use FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	31
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DWR ID: DWR\_MA0007\_01\_f\_2013\_31

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

28	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:12845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover. Wheel to open gate chained and locked so could not verify gate operation. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/7/2013</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	34
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DWR ID: DWR\_MA0007\_01\_f\_2013\_34

29	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13141 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.5/13/2013 SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:44:28 AM</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	35
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DWR ID: DWR\_MA0007\_01\_f\_2013\_35

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

30	1.76	1.76	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:7450 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent positive closure device to close. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	36
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DWR ID: DWR\_MA0007\_01\_f\_2013\_36

31	1.76	1.76	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:12846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/7/2013</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	37
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DWR ID: DWR\_MA0007\_01\_f\_2013\_37

32	1.76	1.76	Supplemental	DWR UCIP Field Study	LS En	M	<p>Inspector Comments: FS_ID:7462 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	38
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DWR ID: DWR\_MA0007\_01\_f\_2013\_38

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

33	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13128 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.5/13/2013 SFBCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 1 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:20:51 AM</p>	39.334868 ° -121.633773 ° 39.334868 ° -121.633773 °	40 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_40

34	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7304 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; in use FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	41
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DWR ID: DWR\_MA0007\_01\_f\_2013\_41

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

35	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8342 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 no issues noted. MEASURE DIAMETER. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °		44
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DWR ID: DWR\_MA0007\_01\_f\_2013\_44

36	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7408 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; in use FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °		46
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DWR ID: DWR\_MA0007\_01\_f\_2013\_46

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

37	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13142 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.5/13/2013 SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957) FS Date: 5/13/2013 8:44:51 AM	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	47
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DWR ID: DWR\_MA0007\_01\_f\_2013\_47

38	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7460 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 1+90). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	48
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DWR ID: DWR\_MA0007\_01\_f\_2013\_48

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

39	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:12847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/7/2013</p>	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	49
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DWR ID: DWR\_MA0007\_01\_f\_2013\_49

40	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:9327 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	50
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DWR ID: DWR\_MA0007\_01\_f\_2013\_50

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

41	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:9326 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 no issues noted. MEASURE DIAMETER. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	51
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DWR ID: DWR\_MA0007\_01\_f\_2013\_51

42	1.76	1.76	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13129 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.5/13/2013 SFBCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: 60-inch drain pipe through the levee, 2 of 2 pipes, two (2) 60 inch pipes, 12.5 feet below the crown. Slide gates in 78-inch CM pipe wells on the waterward slope. Concrete bulkhead on both ends. Reinforced concrete spillway an the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 1+90). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:22:04 AM</p>	39.334886 ° -121.633783 ° 39.334886 ° -121.633783 °	52
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DWR ID: DWR\_MA0007\_01\_f\_2013\_52

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR MA0007 01 f 2013 55

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

46	2.10	2.10	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 19+30). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.339266 ° -121.631847 ° 39.339266 ° -121.631847 °	56 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_56

47	2.18	2.24	Earthen Levee	Erosion / Bank Caving	LS	M Ma	E1 : Note and monitor erosion site.	39.340345 ° -121.631235 ° 39.341190 ° -121.630784 °	6 Y
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DWR ID: DWR\_MA0007\_01\_s\_2013\_6

48	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:12849 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward side around concrete standpipe--might be leaking. Burrow activity present on waterward slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted.5/7/2013 Same as last inspection. Need to investigate source of WS erosion. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 28+00). (USACE O&M Manual, 1957) FS Date: 5/7/2013	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	57
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DWR ID: DWR\_MA0007\_01\_f\_2013\_57

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

49	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:9333 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward side around concrete standpipe--might be leaking. Burrow activity present on waterward slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	58
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DWR ID: DWR\_MA0007\_01\_f\_2013\_58

50	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7481 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on waterward slope, unable to determine if structure is still being used. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	59
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DWR ID: DWR\_MA0007\_01\_f\_2013\_59

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

51	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:13133 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward side around concrete standpipe--might be leaking. Burrow activity present on waterward slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.5/13/2013 SFBCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:31:41 AM</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	60 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_60

52	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:13146 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward side around concrete standpipe--might be leaking. Burrow activity present on waterward slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:31:00 AM</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	61
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DWR ID: DWR\_MA0007\_01\_f\_2013\_61

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

53	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	U En	<p>Inspector Comments: FS_ID:8345 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion on waterward side around concrete standpipe--might be leaking. Burrow activity present on waterward slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 no issues noted. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. Second concrete distribution box located 400-500 feet from landward toe likely connected with drainage structure. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	62
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DWR ID: DWR\_MA0007\_01\_f\_2013\_62

54	2.25	2.25	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7406 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present. Concrete box located 300 feet west of levee likely connected to structure. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee 12.7 feet below the crown. Flap gate on the waterward end. Concrete distribution box at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 28+00). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.341208 ° -121.630773 ° 39.341208 ° -121.630773 °	63
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DWR ID: DWR\_MA0007\_01\_f\_2013\_63

55	2.37	2.37	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizing work.5/7/2013 Need to find owner of structure.5/13/2013 Permit number and owner in detailed report book. FIELD_STRUCT_DESC: Air vac on waterward shoulder protected by two metal posts. No other signs of encroachment are present. FS Date: 5/13/2013 8:33:27 AM</p>	39.342859 ° -121.629909 ° 39.342859 ° -121.629909 °	64
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DWR ID: DWR\_MA0007\_01\_f\_2013\_64

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
56	2.37	2.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9261 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizing work. FIELD_STRUCT_DESC: Air vac on waterward shoulder protected by two metal posts. No other signs of encroachment are present. FS Date: 10/30/2012	39.342859 ° -121.629909 ° 39.342859 ° -121.629909 °		65
DWR ID: DWR_MA0007_01_f_2013_65										
57	2.37	2.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12850 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizing work. 5/7/2013 Need to find owner of structure. FIELD_STRUCT_DESC: Air vac on waterward shoulder protected by two metal posts. No other signs of encroachment are present. FS Date: 5/7/2013	39.342859 ° -121.629909 ° 39.342859 ° -121.629909 °		66
DWR ID: DWR_MA0007_01_f_2013_66										
58	2.37	2.37	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9352 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need permit authorizing work. FIELD_STRUCT_DESC: Air vac on waterward shoulder protected by two metal posts. No other signs of encroachment are present. FS Date: 10/30/2012	39.342859 ° -121.629909 ° 39.342859 ° -121.629909 °		67 Y
DWR ID: DWR_MA0007_01_f_2013_67										
59	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12851 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover. Sediment build up on landward headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. 5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957) FS Date: 5/7/2013	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °		68
DWR ID: DWR_MA0007_01_f_2013_68										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

60	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7409 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °	69
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DWR ID: DWR\_MA0007\_01\_f\_2013\_69

61	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9334 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover. Sediment build up on landward headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °	70
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DWR ID: DWR\_MA0007\_01\_f\_2013\_70

62	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7311 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 44+50). (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °	71
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DWR ID: DWR\_MA0007\_01\_f\_2013\_71

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

63	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:8346 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover. Sediment build up on landward headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. CHECK GATE. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 44+50). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °	72
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DWR ID: DWR\_MA0007\_01\_f\_2013\_72

64	2.57	2.57	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13136 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: WS headwall may be present not visible due to soil cover. Sediment build up on landward headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. 5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS. 5/13/2013 SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.7 feet below the crown. Flap gate on the waterward end. Concrete headwall at both toes. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 44+50). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:41:14 AM</p>	39.345638 ° -121.629607 ° 39.345638 ° -121.629607 °	73 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_73

65	2.74	2.74	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7410 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: did not locate pipe on landside FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 52+50). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.347977 ° -121.630337 ° 39.347977 ° -121.630337 °	74
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DWR ID: DWR\_MA0007\_01\_f\_2013\_74

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_77

## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_80

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

72	2.74	2.74	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-repair needed. Unable to locate pipe on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0090 however, no issues noted.5/7/2013 Same as last inspection, rodent activity near crossing, need to repair rodent hole on WS.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 52+50). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:51:16 AM</p>	39.347977 ° -121.630337 ° 39.347977 ° -121.630337 °	81
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DWR ID: DWR\_MA0007\_01\_f\_2013\_81

73	2.74	2.74	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:8347 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser damage-repair needed. Unable to locate pipe on landward side. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0090 no issues noted. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 52+50). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.347977 ° -121.630337 ° 39.347977 ° -121.630337 °	82
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DWR ID: DWR\_MA0007\_01\_f\_2013\_82

74	2.74	2.74	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7313 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: did not locate pipe on landside FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 52+50). (USACE O&amp;M Manual, 1957) FS Date: 10/31/2012</p>	39.347977 ° -121.630337 ° 39.347977 ° -121.630337 °	83
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DWR ID: DWR\_MA0007\_01\_f\_2013\_83

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

75	2.83	2.83	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7314 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: combine w/ LM 2.82 permit #5722 FIELD_STRUCT_DESC: One (1) of two (2), 1-12 inch and 1-18 inch pipes under this permit. 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch CM pipe. Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterward side. (Permit No. 5722-1968) FS Date: 10/31/2012</p>	39.349158 ° -121.630354 ° 39.349158 ° -121.630354 °	84
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DWR ID: DWR\_MA0007\_01\_f\_2013\_84

76	2.83	2.83	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:9336 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity on crown and slopes; FIELD_STRUCT_DESC: 1-12 inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch CM pipe. Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterward side. (Permit No. 5722-1968) The existing 24-inch CMP matches the Drainage or Irrigation structure referenced in the O&amp;M manual (historic station 56+90, USACE O&amp;M Manual, 1957) 24-inch CM pipe goes through levee at a depth of 21.4 feet below the crown. Slide gate in 36-inch reinforced concrete pipe riser located on the waterward slope. Crossing 2 of 2 see levee mile 3.35 entry. FS Date: 10/31/2012</p>	39.349158 ° -121.630354 ° 39.349158 ° -121.630354 °	85
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DWR ID: DWR\_MA0007\_01\_f\_2013\_85

77	2.83	2.83	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7411 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: combine w/ LM 2.82 permit #5722 FIELD_STRUCT_DESC: One (1) of two (2), 1-12 inch and 1-18 inch pipes under this permit. 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch CM pipe. Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterward side. (Permit No. 5722-1968) FS Date: 10/31/2012</p>	39.349158 ° -121.630354 ° 39.349158 ° -121.630354 °	86
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DWR ID: DWR\_MA0007\_01\_f\_2013\_86

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_88

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

80	2.83	2.83	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:13149 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: dense burrow activity on crown and slopes;5/7/2013 Same as last inspection. WS sediment drop above concrete stand pipe. Coordinate with owner and levee inspector to address issue.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 1-12 inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch CM pipe. Annular space pressure grouted. A 36 inch diameter reinforced concrete pipe riser is located on the waterward side. (Permit No. 5722-1968) The existing 24-inch CMP matches the Drainage or Irrigation structure referenced in the O&M manual (historic station 56+90, USACE O&M Manual, 1957) 24-inch CM pipe goes through levee at a depth of 21.4 feet below the crown. Slide gate in 36-inch reinforced concrete pipe riser located on the waterward slope. Crossing 2 of 2 see levee mile 3.35 entry. FS Date: 5/13/2013 8:52:06 AM	39.349158 ° -121.630354 ° 39.349158 ° -121.630354 °	89
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DWR ID: DWR\_MA0007\_01\_f\_2013\_89

81	2.83	2.83	Earthen Levee	Slope Stability	WS Ma	A	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.349263 ° -121.630384 ° 39.349263 ° -121.630384 °	13 Y
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DWR ID: DWR\_MA0007\_01\_s\_2013\_13

82	2.83	2.83	Earthen Levee	Slope Stability	LS Ma	A	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.349264 ° -121.630384 ° 39.349264 ° -121.630384 °	11 Y
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DWR ID: DWR\_MA0007\_01\_s\_2013\_11

83	2.88	2.88	Earthen Levee	Encroachments	LS En	M	PI : Pipe Inspector Comments: 24 inch pipe L/S toe parallel with levee.	39.349857 ° -121.630632 ° 39.349857 ° -121.630632 °	390 Y
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DWR ID: DWR\_MA0007\_01\_s\_2012\_390

84	3.04	3.04	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:9337 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterward side. Flap gate inside riser on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	90
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DWR ID: DWR\_MA0007\_01\_f\_2013\_90

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

85	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterward side. Flap gate inside riser on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	91
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DWR ID: DWR\_MA0007\_01\_f\_2013\_91

86	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7315 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	92
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DWR ID: DWR\_MA0007\_01\_f\_2013\_92

87	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8348 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 no issues reported. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterward side. Flap gate inside riser on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	93 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_93

88	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7412 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. Flap gate on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&M Manual, 1957) FS Date: 10/31/2012	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	94
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DWR ID: DWR\_MA0007\_01\_f\_2013\_94

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

89	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:12852 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported.5/7/2013 Structure does appear to be altered. Contact Levee Inspector to pursue NOV. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterward side. Flap gate inside riser on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&amp;M Manual, 1957) FS Date: 5/7/2013</p>	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	95
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DWR ID: DWR\_MA0007\_01\_f\_2013\_95

90	3.04	3.04	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13150 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported.5/7/2013 Structure does appear to be altered. Contact Levee Inspector to pursue NOV.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.3 feet below the crown. A reinforced concrete pipe riser located on the waterward side. Flap gate inside riser on the waterward end. 12-inch pipe sleeved through 24-inch pipe. (USACE O&amp;M Manual, 1957) FS Date: 5/7/2013</p>	39.352159 ° -121.631209 ° 39.352159 ° -121.631209 °	96
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DWR ID: DWR\_MA0007\_01\_f\_2013\_96

91	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7517 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration--markers should be present at both sides of the levee to prevent damage to crossing. Marker on waterward side is damaged. FIELD_STRUCT_DESC: Two (2) of two (2), 1-12 inch and 1-18 inch pipes under this permit. 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 10/31/2012</p>	39.354549 ° -121.635326 ° 39.354549 ° -121.635326 °	97 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_97

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

92	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7413 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Two (2) of two (2), 1-12 inch and 1-18 inch pipes under this permit. 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 10/31/2012	39.354549 ° -121.635326 ° 39.354549 ° -121.635326 °	98
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DWR ID: DWR\_MA0007\_01\_f\_2013\_98

93	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12853 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration--markers should be present at both sides of the levee to prevent damage to crossing. Marker on waterward side is damaged. 5/7/2013. Contact City of Gridley to install carsonite markers on LS to mark crossings location. FIELD_STRUCT_DESC: 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 5/7/2013	39.354549 ° -121.635326 ° 39.354549 ° -121.635326 °	99
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DWR ID: DWR\_MA0007\_01\_f\_2013\_99

94	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9338 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration--markers should be present at both sides of the levee to prevent damage to crossing. Marker on waterward side is damaged. FIELD_STRUCT_DESC: 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 10/31/2012	39.354549 ° -121.635326 ° 39.354549 ° -121.635326 °	100
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DWR ID: DWR\_MA0007\_01\_f\_2013\_100

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
95	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13151 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: shallow penetration--markers should be present at both sides of the levee to prevent damage to crossing. Marker on waterward side is damaged.5/7/2013 Contact City of Gridley to install carsonite markers on LS to mark crossings location.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 5/13/2013 8:53:24 AM	39.354549 °	-121.635326 °	101
DWR ID: DWR_MA0007_01_f_2013_101										
96	3.34	3.34	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7316 EP_NO: 5722 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Two (2) of two (2), 1-12 inch and 1-18 inch pipes under this permit. 18-inch cast iron sewer pipe through the levee, 2.8 feet below the crown. Concrete thrust block for cutoff walls on both shoulders. Siphon breaker in concrete pipe riser on the waterward shoulder. Pipe crosses river and discharges into sewer ponds in the left bank overflow area. (Permit No. 5722-1968) FS Date: 10/31/2012	39.354549 °	-121.635326 °	102
DWR ID: DWR_MA0007_01_f_2013_102										
97	3.72	3.72	Earthen Levee	Encroachments	LS	U En	DE : Debris Inspector Comments: Walnut trees pushed against the landward slope of the levee.	39.358602 °	39.358602 °	221
DWR ID: DWR_MA0007_01_f_2013_221										
98	3.85	5.37	Earthen Levee	Encroachments	LS	M En	DT : Ditch	39.359942 °	39.379262 °	39
DWR ID: DWR_MA0007_01_s_2012_39										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
99	4.08	4.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:12854 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be replaced--marker should also be present on landward side.5/7/2013 Same as last inspection. FIELD_STRUCT_DESC: 8 inch steel sewer line about 2.5 feet below crown. Air relief valve (12 inch by 24 inch) box located on landward shoulder. From waterward side, sewer line runs parallel along levee for approximately 3,952 feet downstream and ties into existing 18 inch pipeline located at LM 3.341. FS Date: 5/7/2013	39.362706 ° -121.643678 ° 39.362706 ° -121.643678 °		103
DWR ID: DWR_MA0007_01_f_2013_103										
100	4.08	4.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:9265 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be replaced. FIELD_STRUCT_DESC: 8 inch steel sewer line about 2.5 feet below crown. Air relief valve (12 inch by 24 inch) box located on landward shoulder. From waterward side, sewer line runs parallel along levee for approximately 3,952 feet downstream and ties into existing 18 inch pipeline located at LM 3.341. FS Date: 10/30/2012	39.362706 ° -121.643678 ° 39.362706 ° -121.643678 °		104 Y
DWR ID: DWR_MA0007_01_f_2013_104										
101	4.08	4.08	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:9350 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers need to be replaced--marker should also be present on landward side. FIELD_STRUCT_DESC: 8 inch steel sewer line about 2.5 feet below crown. Air relief valve (12 inch by 24 inch) box located on landward shoulder. From waterward side, sewer line runs parallel along levee for approximately 3,952 feet downstream and ties into existing 18 inch pipeline located at LM 3.341. FS Date: 10/30/2012	39.362706 ° -121.643678 ° 39.362706 ° -121.643678 °		105
DWR ID: DWR_MA0007_01_f_2013_105										
102	4.29	4.29	Earthen Levee	Encroachments	LS	M En	CR : Crops	39.364815 ° -121.646005 ° 39.364815 ° -121.646005 °	39.364815 ° -121.646005 °	389
DWR ID: DWR_MA0007_01_s_2012_389										
103	4.37	4.37	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2012: Oversteepened slope with failing rock (from repair completed in 1954). Likely slope stability issues. [2012 Site ID: FHR_50-9_R]	39.367612 ° -121.647866 ° 39.367612 ° -121.647866 °	39.366736 ° -121.647217 °	8 Y
DWR ID:										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

104	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7373 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through levee, smaller pipe going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee 13.6 feet below the crown. Slide gate in concrete box at the waterward toe. FS Date: 11/5/2012	39.373878 ° -121.650292 ° 39.373878 ° -121.650292 °	106
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DWR ID: DWR\_MA0007\_01\_f\_2013\_106

105	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:13153 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on waterward slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported.5/10/2013 Barrel down inside standpipe. Slide gate difficult to operate.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 42-inch CM pipe through the levee 13.6 feet below the crown. Concrete distribution box with slide gate inside located on waterward side. 36-inch pipe goes through the waterward side berm. FS Date: 5/13/2013 8:57:02 AM	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °	107 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_107

106	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:12984 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on waterward slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported.5/10/2013 Barrel down inside standpipe. Slide gate difficult to operate. FIELD_STRUCT_DESC: 42-inch CM pipe through the levee 13.6 feet below the crown. Concrete distribution box with slide gate inside located on waterward side. 36-inch pipe goes through the waterward side berm. FS Date: 5/10/2013 7:48:43 AM	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °	108
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DWR ID: DWR\_MA0007\_01\_f\_2013\_108

107	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7414 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through levee, smaller pipe going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee 13.6 feet below the crown. Slide gate in concrete box at the waterward toe. FS Date: 11/5/2012	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °	109
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DWR ID: DWR\_MA0007\_01\_f\_2013\_109

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
108	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7375 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 42-inch pipe through levee, smaller pipe going through WS berm. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee 13.6 feet below the crown. Slide gate in concrete box at the waterward toe. FS Date: 11/5/2012	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °		110
DWR ID: DWR_MA0007_01_f_2013_110										
109	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7520 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on waterward slope. FIELD_STRUCT_DESC: 42-inch CM pipe through the levee 13.6 feet below the crown. Concrete distribution box with slide gate inside located on waterward side. 36-inch pipe goes through the waterward side berm. FS Date: 11/5/2012	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °		111
DWR ID: DWR_MA0007_01_f_2013_111										
110	4.98	4.98	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:8349 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity on waterward slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported. FIELD_STRUCT_DESC: 42-inch CM pipe through the levee 13.6 feet below the crown. Concrete distribution box with slide gate inside located on waterward side. 36-inch pipe goes through the waterward side berm. FS Date: 11/5/2012	39.373851 ° -121.650322 ° 39.373851 ° -121.650322 °		112
DWR ID: DWR_MA0007_01_f_2013_112										
111	5.22	5.22	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15903 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/9/2013 Appeared to be damaged where it exits the WS slope, minor settling on LS toe, unable to obtain permit. SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: FS Date: 7/17/2013	39.377343 ° -121.650450 ° 39.377343 ° -121.650450 °		113 Y
DWR ID: DWR_MA0007_01_f_2013_113										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

112	5.22	5.22	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:15904 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/9/2013 Appeared to be damaged where it exits the WS slope, minor settling on LS toe, unable to obtain permit. SBFCA project recommends replacing in accordance with title 23. FIELD_STRUCT_DESC: FS Date: 7/17/2013	39.377343 ° -121.650450 ° 39.377343 ° -121.650450 °	114
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DWR ID: DWR\_MA0007\_01\_f\_2013\_114

113	5.37	5.37	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	39.379487 ° 39.379487 ° -121.650604 ° -121.650604 °	10 Y
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DWR ID: DWR\_MA0007\_01\_s\_2012\_10

114	5.38	5.98	Earthen Levee	Encroachments	WS M En	AT : Agricultural tilling Inspector Comments: This site is property of Cilker Revocable Trust, it has an encroachment violation notice dated 7-23-2012, enforcement action : 2011-321. The stockpile has been removed, excavation at the levee toe is still present.	39.380272 ° 39.380527 ° -121.649622 ° -121.638423 °	5 Y
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DWR ID: DWR\_MA0007\_01\_f\_2012\_5

115	5.40	5.40	Supplemental	DWR UCIP Field Study	WS M En	Inspector Comments: FS_ID:13154 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landward side--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on waterward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 5/13/2013 8:58:17 AM	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	115 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_115

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

116	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7374 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	116
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DWR ID: DWR\_MA0007\_01\_f\_2013\_116

117	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:8350 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landward side--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on waterward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown. FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	117
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DWR ID: DWR\_MA0007\_01\_f\_2013\_117

118	5.40	5.40	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:7415 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	118
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DWR ID: DWR\_MA0007\_01\_f\_2013\_118

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

119	5.40	5.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12986 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landward side--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on waterward side. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 5/10/2013 7:51:01 AM	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	119
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DWR ID: DWR\_MA0007\_01\_f\_2013\_119

120	5.40	5.40	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7910 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No access to landward side--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on waterward side. FIELD_STRUCT_DESC: Abandoned 24-inch CM irrigation pipe through the levee, 14.0 feet below the crown. Slide gate on the landward side. Slide gate in concrete pipe riser on the waterward berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 191+13). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.379838 ° -121.650611 ° 39.379838 ° -121.650611 °	120
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DWR ID: DWR\_MA0007\_01\_f\_2013\_120

121	5.41	5.41	Earthen Levee	Encroachments	WS	M En	TA : Tank	39.380153 ° -121.650447 ° 39.380153 ° -121.650447 °	9
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DWR ID: DWR\_MA0007\_01\_s\_2012\_9

122	5.42	5.42	Earthen Levee	Encroachments	LS	U En	BU : Building	39.379947 ° -121.650525 ° 39.379947 ° -121.650525 °	32 Y
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DWR ID: DWR\_MA0007\_01\_s\_2012\_32

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

123	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7416 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM drain pipe, 1 of 2, two (2) 60 inch pipes, through the levee, 23.4 feet below the crown. Flap gates on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	121
DWR ID: DWR_MA0007_01_f_2013_121									
124	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8351 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward side--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	122 Y
DWR ID: DWR_MA0007_01_f_2013_122									
125	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7379 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM drain pipe, 1 of 2, two (2) 60 inch pipes, through the levee, 23.4 feet below the crown. Flap gates on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	123
DWR ID: DWR_MA0007_01_f_2013_123									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

126	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:12987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward side--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 195+80). (USACE O&amp;M Manual, 1957) FS Date: 5/10/2013 7:52:34 AM</p>	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	124
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DWR ID: DWR\_MA0007\_01\_f\_2013\_124

127	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:13155 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward side--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 195+80). (USACE O&amp;M Manual, 1957) FS Date: 5/13/2013 8:58:54 AM</p>	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	125
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DWR ID: DWR\_MA0007\_01\_f\_2013\_125

128	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7915 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gates on waterward side--need to clear sediment. FIELD_STRUCT_DESC: 1 of 2: 60 inch pipe (downstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 195+80). (USACE O&amp;M Manual, 1957) FS Date: 11/5/2012</p>	39.380377 ° -121.649344 ° 39.380377 ° -121.649344 °	126
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DWR ID: DWR\_MA0007\_01\_f\_2013\_126

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2013

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

132	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gate--need to remove sediment to make flap gates operational.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe (upstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch located at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 5/10/2013 7:53:35 AM	39.380377 ° -121.649319 ° 39.380377 ° -121.649319 °	130
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DWR ID: DWR\_MA0007\_01\_f\_2013\_130

133	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13157 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gate--need to remove sediment to make flap gates operational.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe (upstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch located at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:00:39 AM	39.380377 ° -121.649319 ° 39.380377 ° -121.649319 °	131
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DWR ID: DWR\_MA0007\_01\_f\_2013\_131

134	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13156 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sediment blocking flap gate--need to remove sediment to make flap gates operational.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 2 of 2: 60 inch pipe (upstream pipe), through the levee, 23.4 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Ditch located at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 5/10/2013 7:53:00 AM	39.380377 ° -121.649319 ° 39.380377 ° -121.649319 °	132
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DWR ID: DWR\_MA0007\_01\_f\_2013\_132

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

135	5.49	5.49	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM drain pipe, 2 of 2, two (2) 60 inch pipes, through the levee, 23.4 feet below the crown. Flap gates on the waterward end. Concrete headwalls on both ends. Ditch located at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.380377 ° -121.649319 ° 39.380377 ° -121.649319 °	133
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DWR ID: DWR\_MA0007\_01\_f\_2013\_133

136	5.50	5.50	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7376 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 60-inch CM drain pipe, 1 of 2, two (2) 60 inch pipes, through the levee, 23.4 feet below the crown. Flap gates on the waterward end. Concrete headwalls on both ends. Ditch at waterward outlet. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 195+80). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.380353 ° -121.649067 ° 39.380353 ° -121.649067 °	134
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DWR ID: DWR\_MA0007\_01\_f\_2013\_134

137	6.54	6.54	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.385806 ° 39.385806 ° -121.633668 ° -121.633668 °	222
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DWR ID: DWR\_MA0007\_01\_f\_2013\_222

138	6.58	6.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7916 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforced concrete encased steel irrigation pipe through the levee, 13.5 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 252+10). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.386167 ° -121.633122 ° 39.386167 ° -121.633122 °	135
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DWR ID: DWR\_MA0007\_01\_f\_2013\_135

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

139	6.58	6.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7917 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine the condition of the slide gate inside concrete standpipe. FIELD_STRUCT_DESC: 22-inch reinforced concrete encased steel irrigation pipe through the levee, 13.5 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 252+10). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.386167 ° -121.633122 ° 39.386167 ° -121.633122 °	136 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_136

140	6.58	6.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7419 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforced concrete encased steel irrigation pipe through the levee, 13.5 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 252+10). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.386167 ° -121.633122 ° 39.386167 ° -121.633122 °	137
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DWR ID: DWR\_MA0007\_01\_f\_2013\_137

141	6.58	6.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7380 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 22-inch reinforced concrete encased steel irrigation pipe through the levee, 13.5 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 252+10). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.386167 ° -121.633122 ° 39.386167 ° -121.633122 °	138
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DWR ID: DWR\_MA0007\_01\_f\_2013\_138

142	7.80	7.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7382 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: localized erosion at air vent located on waterward shoulder; need for marker. FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005) FS Date: 11/5/2012	39.398336 ° -121.630529 ° 39.398336 ° -121.630529 °	139
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DWR ID: DWR\_MA0007\_01\_f\_2013\_139

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
143	7.80	7.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7918 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: localized erosion at air vent located on waterward shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker. FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005) FS Date: 11/5/2012	39.398336 ° -121.630529 ° 39.398336 ° -121.630529 °		140 Y
DWR ID: DWR_MA0007_01_f_2013_140										
144	7.80	7.80	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7420 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: localized erosion at air vent located on waterward shoulder; need for marker. FIELD_STRUCT_DESC: 5-inch diameter steel irrigation pipe through the right (west) bank levee and connect to existing pipe within the overflow area of the Feather River. (Permit No. 17895-2005) FS Date: 11/5/2012	39.398336 ° -121.630529 ° 39.398336 ° -121.630529 °		141
DWR ID: DWR_MA0007_01_f_2013_141										
145	8.56	8.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15906 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info. FIELD_STRUCT_DESC: FS Date: 7/17/2013 6:51:42 AM	39.404475 ° -121.636958 ° 39.404475 ° -121.636958 °		142 Y
DWR ID: DWR_MA0007_01_f_2013_142										
146	8.72	8.72	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15908 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Unknown permit coordinate with landowner to find out more information. FIELD_STRUCT_DESC: FS Date: 7/17/2013	39.406614 ° -121.637384 ° 39.406614 ° -121.637384 °		143
DWR ID: DWR_MA0007_01_f_2013_143										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
147	8.72	8.72	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15907 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Unknown permit coordinate with landowner to find out more information. FIELD_STRUCT_DESC: FS Date: 7/17/2013	39.406614 ° -121.637384 ° 39.406614 ° -121.637384 °		144 Y
DWR ID: DWR_MA0007_01_f_2013_144										
148	8.76	8.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:7383 EP_NO: 14200 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, small hole with too much moisture; rocks look wet last rain event occurred 4 days ago. FIELD_STRUCT_DESC: 2-inch diameter galvanized pipe line 2 feet below crown. (Permit No. 14200-1985) FS Date: 11/5/2012	39.406752 ° -121.637389 ° 39.406752 ° -121.637389 °		145
DWR ID: DWR_MA0007_01_f_2013_145										
149	8.76	8.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12990 EP_NO: 14200 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, small hole with too much moisture; rocks look wet last rain event occurred 4 days ago. 5/10/2013 Appears to just be surface erosion and not a crossing. Will keep monitoring until sure. FIELD_STRUCT_DESC: 2-inch diameter galvanized pipe line 2 feet below crown. (Permit No. 14200-1985) FS Date: 5/10/2013 7:57:45 AM	39.407159 ° -121.637409 ° 39.407159 ° -121.637409 °		146 Y
DWR ID: DWR_MA0007_01_f_2013_146										
150	8.76	8.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13162 EP_NO: 14200 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, small hole with too much moisture; rocks look wet last rain event occurred 4 days ago. 5/10/2013 Appears to just be surface erosion and not a crossing. Will keep monitoring until sure. 5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 2-inch diameter galvanized pipe line 2 feet below crown. (Permit No. 14200-1985) FS Date: 5/13/2013 9:07:12 AM	39.407159 ° -121.637409 ° 39.407159 ° -121.637409 °		147
DWR ID: DWR_MA0007_01_f_2013_147										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
151	8.76	8.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:7434 EP_NO: 14200 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Landward shoulder, small hole with too much moisture; rocks look wet last rain event occurred 4 days ago. FIELD_STRUCT_DESC: 2-inch diameter galvanized pipe line 2 feet below crown. (Permit No. 14200-1985) FS Date: 11/5/2012	39.407159 °	-121.637409 °	148
DWR ID: DWR_MA0007_01_f_2013_148										
152	9.05	9.41	Earthen Levee	Slope Stability	LS	A Ma	S1 : Repair slope instability. Inspector Comments: This appears to be a cut into the levee.	39.409424 °	39.412797 °	7
DWR ID: DWR_MA0007_01_s_2012_7								-121.634671 °	-121.632463 °	
153	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside waterward concrete standpipe blackberry shrubs overgrown against access latter;5/10/2013 Same as last inspection. Cleared back some of the black berries but live birds nest on ladder prevented me from inspecting inside of standpipe. Recommend spraying the black berries to clear path to ladder.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. Concrete distribution box at the landward toe. FS Date: 5/13/2013 9:08:46 AM	39.416284 °	-121.632224 °	149
DWR ID: DWR_MA0007_01_f_2013_149										
154	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7385 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch steel Irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. Concrete distribution box at the landward toe. FS Date: 11/5/2012	39.416284 °	-121.632224 °	150
DWR ID: DWR_MA0007_01_f_2013_150								39.416284 °	-121.632224 °	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
155	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7921 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside waterward concrete standpipe blackberry shrubs overgrown against access latter; FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. Concrete distribution box at the landward toe. FS Date: 11/5/2012	39.416284 ° -121.632224 ° 39.416284 ° -121.632224 °		151 Y
DWR ID: DWR_MA0007_01_f_2013_151										
156	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7421 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch steel Irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. Concrete distribution box at the landward toe. FS Date: 11/5/2012	39.416284 ° -121.632224 ° 39.416284 ° -121.632224 °		152
DWR ID: DWR_MA0007_01_f_2013_152										
157	9.67	9.67	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside waterward concrete standpipe blackberry shrubs overgrown against access latter;5/10/2013 Same as last inspection. Cleared back some of the black berries but live birds nest on ladder prevented me from inspecting inside of standpipe. Recommend spraying the black berries to clear path to ladder. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14.0 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterward toe. Concrete distribution box at the landward toe. FS Date: 5/10/2013 8:01:07 AM	39.416284 ° -121.632224 ° 39.416284 ° -121.632224 °		153
DWR ID: DWR_MA0007_01_f_2013_153										
158	9.79	9.79	Earthen Levee	Encroachments	LS	U En	BU : Building	39.416384 ° -121.634503 °	39.416384 ° -121.634503 °	45 Y
DWR ID: DWR_MA0007_01_s_2012_45										
159	9.84	9.84	Earthen Levee	Encroachments	LS	M En	EQ : Equipment	39.416921 ° -121.634802 °	39.416921 ° -121.634802 °	12
DWR ID: DWR_MA0007_01_s_2012_12										
160	9.84	9.84	Earthen Levee	Erosion / Bank Caving	LS	C Ma	E2 : Schedule repair of erosion site prior to the next inspection.	39.416958 ° -121.634818 °	39.416958 ° -121.634818 °	14
DWR ID: DWR_MA0007_01_s_2013_14										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>* Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

161	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12994 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:05:29 AM	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	154
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DWR ID: DWR\_MA0007\_01\_f\_2013\_154

162	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13164 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:09:43 AM	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	155
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DWR ID: DWR\_MA0007\_01\_f\_2013\_155

163	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	156
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DWR ID: DWR\_MA0007\_01\_f\_2013\_156

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

164	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7922 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned. FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	157 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_157

165	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7422 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	158
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DWR ID: DWR\_MA0007\_01\_f\_2013\_158

166	10.12	10.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7386 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: Abandoned 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 437+30). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.420736 ° -121.635321 ° 39.420736 ° -121.635321 °	159
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DWR ID: DWR\_MA0007\_01\_f\_2013\_159

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

167	10.24	10.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7389 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 11/5/2012	39.420905 ° -121.637707 ° 39.420905 ° -121.637707 °	160
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DWR ID: DWR\_MA0007\_01\_f\_2013\_160

168	10.24	10.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7387 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 11/5/2012	39.420864 ° -121.637590 ° 39.420864 ° -121.637590 °	161
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DWR ID: DWR\_MA0007\_01\_f\_2013\_161

169	10.25	10.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12995 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 5/10/2013 8:07:17 AM	39.420905 ° -121.637707 ° 39.420905 ° -121.637707 °	162
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DWR ID: DWR\_MA0007\_01\_f\_2013\_162

170	10.25	10.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7423 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 11/5/2012	39.420905 ° -121.637707 ° 39.420905 ° -121.637707 °	163
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DWR ID: DWR\_MA0007\_01\_f\_2013\_163

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

171	10.25	10.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13165 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 5/13/2013 9:11:03 AM	39.420905 ° -121.637707 ° 39.420905 ° -121.637707 °	164 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_164

172	10.25	10.25	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7923 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landward side. FS Date: 11/5/2012	39.420905 ° -121.637707 ° 39.420905 ° -121.637707 °	165
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DWR ID: DWR\_MA0007\_01\_f\_2013\_165

173	10.83	10.83	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8352 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: nothing found on landward side--residential; no headwall found on landward side--has it been buried? Need to investigate if crossing is here. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0314 no issues reported. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.5 feet below the crown. Concrete headwall at both toes. Flap gate in 36-inch concrete standpipe on the berm. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 471+26). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.426781 ° -121.642078 ° 39.426781 ° -121.642078 °	166 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_166

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_169Page 52 of 88

## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_172Page 53 of 88

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

180	10.95	10.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12997 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be abandoned-- unknown method of abandonment; headwall buried with a small section of headwall exposed.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee, 17.5 feet below the crown. Concrete headwall at landward toe. Flap gate on waterward end covered with dirt. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 476+60). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:09:30 AM	39.428380 ° -121.642228 ° 39.428380 ° -121.642228 °	173
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DWR ID: DWR\_MA0007\_01\_f\_2013\_173

181	10.95	10.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7928 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be abandoned-- unknown method of abandonment; headwall buried with a small section of headwall exposed. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee, 17.5 feet below the crown. Concrete headwall at landward toe. Flap gate on waterward end covered with dirt. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 476+60). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.428380 ° -121.642228 ° 39.428380 ° -121.642228 °	174
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DWR ID: DWR\_MA0007\_01\_f\_2013\_174

182	10.95	10.95	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13167 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: crossing appears to be abandoned-- unknown method of abandonment; headwall buried with a small section of headwall exposed.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 24-inch CM drainpipe through the levee, 17.5 feet below the crown. Concrete headwall at landward toe. Flap gate on waterward end covered with dirt. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 476+60). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:12:21 AM	39.428380 ° -121.642228 ° 39.428380 ° -121.642228 °	175
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DWR ID: DWR\_MA0007\_01\_f\_2013\_175

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_178Page 55 of 88

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	

186	11.05	11.05	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:7426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: missing cover FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 17.5 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. Slide gate in 48-inch reinforced concrete standpipe at landward toe. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 483+60). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.429314 ° -121.643747 ° 39.429314 ° -121.643747 °	179
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DWR ID: DWR\_MA0007\_01\_f\_2013\_179

187	11.17	11.17	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:7427 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing not visible on LS, missing cover debris in riser; wheel handle missing from slide gate. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 490+50). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	180
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DWR ID: DWR\_MA0007\_01\_f\_2013\_180

188	11.17	11.17	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:13169 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. landward side-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported.5/10/2013 Top cover has fallen down inside standpipe and may prevent gate from fully closing. Wheel to operate gate still missing.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 490+50). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:14:04 AM	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	181
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DWR ID: DWR\_MA0007\_01\_f\_2013\_181

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

189	11.17	11.17	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7930 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. landward side-crossing not visible. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 490+50). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	182 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_182

190	11.17	11.17	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8353 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. landward side-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 490+50). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	183
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DWR ID: DWR\_MA0007\_01\_f\_2013\_183

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

191	11.17	11.17	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:12999 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: waterward side-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. landward side-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported.5/10/2013 Top cover has fallen down inside standpipe and may prevent gate from fully closing. Wheel to operate gate still missing. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 490+50). (USACE O&amp;M Manual, 1957) FS Date: 5/10/2013 8:12:56 AM</p>	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	184
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DWR ID: DWR\_MA0007\_01\_f\_2013\_184

192	11.17	11.17	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7396 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: crossing not visible on LS, missing cover debris in riser; wheel handle missing from slide gate. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 21.0 feet below the crown. Slide gate in 36-inch CM pipe riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 490+50). (USACE O&amp;M Manual, 1957) FS Date: 11/5/2012</p>	39.430540 ° -121.645118 ° 39.430540 ° -121.645118 °	185
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DWR ID: DWR\_MA0007\_01\_f\_2013\_185

193	11.24	11.24	Supplemental	DWR UCIP Field Study	LS	M En	<p>Inspector Comments: FS_ID:7397 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing on LS FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee. 18.9 feet below the crown. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&amp;M manual (Historic Station 494+50). (USACE O&amp;M Manual, 1957) FS Date: 11/5/2012</p>	39.431546 ° -121.645474 ° 39.431546 ° -121.645474 °	186
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DWR ID: DWR\_MA0007\_01\_f\_2013\_186

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_189Page 59 of 88

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
197	11.24	11.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13000 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing on LS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0332 no issues reported. 5/10/2013 Same as last insoection. Talking with farmer he said the pipe may be getting removed. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee. 18.9 feet below the crown. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 494+50). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:15:27 AM	39.431546 °	-121.645474 °	190
DWR ID: DWR_MA0007_01_f_2013_190										
198	11.24	11.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8354 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flash boards missing on LS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0332 no issues reported. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee. 18.9 feet below the crown. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 494+50). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.431546 °	-121.645474 °	191
DWR ID: DWR_MA0007_01_f_2013_191										
199	11.24	11.24	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: Building appears abandoned.	39.431591 °	39.431591 °	15
								-121.645477 °	-121.645477 °	Y
DWR ID: DWR_MA0007_01_s_2013_15										
200	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7429 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.432143 °	-121.645516 °	192
								39.432143 °	-121.645516 °	Y
DWR ID: DWR_MA0007_01_f_2013_192										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

201	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8355 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall on landward side; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.432143 ° -121.645516 ° 39.432143 ° -121.645516 °	193
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DWR ID: DWR\_MA0007\_01\_f\_2013\_193

202	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13001 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall on landward side; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported.5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:16:47 AM	39.432143 ° -121.645516 ° 39.432143 ° -121.645516 °	194
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DWR ID: DWR\_MA0007\_01\_f\_2013\_194

203	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7398 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.432143 ° -121.645516 ° 39.432143 ° -121.645516 °	195
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DWR ID: DWR\_MA0007\_01\_f\_2013\_195

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

204	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7932 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall on landward side; scour near concrete apron and below apron; FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.432143 ° -121.645516 ° 39.432143 ° -121.645516 °	196
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DWR ID: DWR\_MA0007\_01\_f\_2013\_196

205	11.28	11.28	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13172 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: burrow activity near headwall on landward side; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.8 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 496+20). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:16:00 AM	39.432143 ° -121.645516 ° 39.432143 ° -121.645516 °	197
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DWR ID: DWR\_MA0007\_01\_f\_2013\_197

206	11.39	11.39	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:17:44 AM	39.433674 ° -121.645591 ° 39.433674 ° -121.645591 °	198
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DWR ID: DWR\_MA0007\_01\_f\_2013\_198

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

207	11.39	11.39	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7933 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.433674 ° -121.645591 ° 39.433674 ° -121.645591 °	199
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DWR ID: DWR\_MA0007\_01\_f\_2013\_199

208	11.39	11.39	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7431 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: riser cover missing WS; WS pipe filled with concrete; LS crossing not visible. Needs to be properly abandoned. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.433674 ° -121.645591 ° 39.433674 ° -121.645591 °	200
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DWR ID: DWR\_MA0007\_01\_f\_2013\_200

209	11.39	11.39	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13002 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible. 5/10/2013 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch reinforced concrete encased CM irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landward toe. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 502+20). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:18:14 AM	39.433674 ° -121.645591 ° 39.433674 ° -121.645591 °	201 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_201

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_204Page 64 of 88

## Sutter Maintenance Yard Maintenance Area 0007

DWR ID: DWR\_MA0007\_01\_f\_2013\_207Page 65 of 88



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

216	11.52	11.52	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7401 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 16.2 feet below the crown. Concrete headwall at both toes. Flap gate on the waterward end. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 508+40). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.435533 ° -121.645693 ° 39.435533 ° -121.645693 °	208
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DWR ID: DWR\_MA0007\_01\_f\_2013\_208

217	11.63	11.69	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	39.437119 ° 39.437949 ° -121.645860 ° -121.646280 °	43 Y
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DWR ID: DWR\_MA0007\_01\_s\_2012\_43

218	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:8357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	209 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_209

219	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7402 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	210
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DWR ID: DWR\_MA0007\_01\_f\_2013\_210

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

220	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7935 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside riser--need to determine condition. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	211
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DWR ID: DWR\_MA0007\_01\_f\_2013\_211

221	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:7433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 11/5/2012	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	212
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DWR ID: DWR\_MA0007\_01\_f\_2013\_212

222	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13004 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported.5/10/2013 Same as last inspection. Burrow activity above WS riser. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 5/10/2013 8:22:10 AM	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	213
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DWR ID: DWR\_MA0007\_01\_f\_2013\_213

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

223	11.68	11.68	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13177 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported.5/10/2013 Same as last inspection. Burrow activity above WS riser.5/13/2013 SBFA project recommends relacing in accordance with title 23. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased CM irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch CM riser on the waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Historic Station 517+40). (USACE O&M Manual, 1957) FS Date: 5/13/2013 9:21:55 AM	39.437766 ° -121.646196 ° 39.437766 ° -121.646196 °	214
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DWR ID: DWR\_MA0007\_01\_f\_2013\_214

224	88.56	88.56	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:15905 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/9/13 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info. FIELD_STRUCT_DESC: FS Date: 7/17/2013	39.404475 ° -121.636958 ° 39.404475 ° -121.636958 °	215 Y
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DWR ID: DWR\_MA0007\_01\_f\_2013\_215

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	4
Start Levee Mile	0.01
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments

AG ditch landside slope and toe.

mhoffman\_f\_20130917\_026.jpg



Levee Mile Report Line	5
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

This photo was taken from the levee crown facing south looking down the landward slope at a tree growing near the toe. Fall 2013.

mhoffman\_f\_20131028\_674.JPG



Levee Mile Report Line	6
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control

This photo was taken from the crown of the levee facing north looking down the slope at rodent holes. Fall 2013.

mhoffman\_f\_20131028\_675.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	6
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Up close photo of said rodent holes. Fall 2013.

mhoffman\_f\_20131028\_676.JPG



Levee Mile Report Line	7
Start Levee Mile	0.51
End Levee Mile	0.51
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

This photo was taken from the levee crown facing north looking down the landward levee slope at stability issues. Fall 2013.

mhoffman\_f\_20131028\_677.JPG



Levee Mile Report Line	7
Start Levee Mile	0.51
End Levee Mile	0.51
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Close up of said slope stability issue. Fall 2013.

mhoffman\_f\_20131028\_678.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	8
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Levee mile 1.21. This is a photo of the building on the waterside slope.	
mhoffman_f_20130917_023.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
View of levee crown looking downstream.	
UCIP_6870.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.72
End Levee Mile	1.72
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of levee crown looking upstream at crossing.	
UCIP_5651.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	33
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of levee crown looking downstream.

UCIP\_6985.jpg



Levee Mile Report Line	43
Start Levee Mile	1.94
End Levee Mile	1.94
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown looking upstream.

UCIP\_5556.jpg



Levee Mile Report Line	46
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of headwall and inlet from landward side.

UCIP\_3192.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	47
Start Levee Mile	2.18
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

MA 7 - Typical levee vegetation.

mhoffman\_f\_20130917\_013.JPG



Levee Mile Report Line	51
Start Levee Mile	2.25
End Levee Mile	2.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Concrete distribution box located approximately 400-500 feet from landward toe.

UCIP\_6998.jpg



Levee Mile Report Line	58
Start Levee Mile	2.37
End Levee Mile	2.37
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side at crossing.

UCIP\_5640.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	64
Start Levee Mile	2.57
End Levee Mile	2.57
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward slope.

UCIP\_7009.jpg



Levee Mile Report Line	71
Start Levee Mile	2.74
End Levee Mile	2.74
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward slope looking upstream. Matt is standing near CMP riser.

UCIP\_3220.jpg



Levee Mile Report Line	78
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward slope looking at crossing.

UCIP\_6739.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	81
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

W/S slope has been repaired.

mhoffman\_f\_20130917\_019.JPG



Levee Mile Report Line	82
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

L/S slope has been repaired.

mhoffman\_f\_20130917\_018.JPG



Levee Mile Report Line	83
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This photo shows a pipe approximately 24 inch in diameter at the landside toe of the levee, the pipe runs parallel with the levee, they are repairing the existing pipe.

mhoffman\_f\_20130917\_029.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	83
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This is looking from the crown of the levee at the pipe repair site. Status of a permit is unknown and no verification of the repair was available.

mhoffman\_f\_20130917\_030.jpg



Levee Mile Report Line	87
Start Levee Mile	3.04
End Levee Mile	3.04
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side looking at crossing.

UCIP\_4502.jpg



Levee Mile Report Line	91
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown and slopes looking upstream at crossing.

UCIP\_3260.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	97
Start Levee Mile	3.72
End Levee Mile	3.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments

This photo was taken from the levee crown facing north looking at walnut trees stacked on the landward slope. Fall 2013.

mhoffman\_f\_20131028\_679.JPG



Levee Mile Report Line	98
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 5.37. This is a photo of the Ag ditch on the landside slope and toe.

mhoffman\_f\_20130917\_024.jpg



Levee Mile Report Line	98
Start Levee Mile	3.85
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ag ditch landside slope and toe.

mhoffman\_f\_20130917\_025.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	100
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Overview of levee crown looking upstream at crossing.	
UCIP_5616.jpg	



Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_FHR_50-9_R_1.jpg	



Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_FHR_50-9_R_2.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	103
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2013\_FHR\_50-9\_R\_3.jpg



Levee Mile Report Line	105
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee crown and slopes at crossing looking upstream.

UCIP\_7065.jpg



Levee Mile Report Line	111
Start Levee Mile	5.22
End Levee Mile	5.22
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of crossing from crown looking U/S

UCIP\_8858.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	113
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation

MA 7 - Typical levee vegetation.

mhoffman\_f\_20130917\_017.JPG



Levee Mile Report Line	114
Start Levee Mile	5.38
End Levee Mile	5.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

This photo shows the stockpile has been removed.

mhoffman\_f\_20130917\_013.JPG



Levee Mile Report Line	114
Start Levee Mile	5.38
End Levee Mile	5.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

This photo shows vehicle traffic has cut into the toe of the levee.

mhoffman\_f\_20130917\_012.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	115
Start Levee Mile	5.40
End Levee Mile	5.40
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side.

UCIP\_7070.jpg



Levee Mile Report Line	122
Start Levee Mile	5.42
End Levee Mile	5.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 5.42. This photo shows a building on the landside crown, shoulder and slope.

mhoffman\_f\_20130917\_022.jpg



Levee Mile Report Line	124
Start Levee Mile	5.49
End Levee Mile	5.49
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side. Concrete headwall located at levee toe.

UCIP\_4518.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	139
Start Levee Mile	6.58
End Levee Mile	6.58
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee crown.

UCIP\_3478.jpg



Levee Mile Report Line	143
Start Levee Mile	7.80
End Levee Mile	7.80
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee crown looking upstream towards crossing.

UCIP\_3484.jpg



Levee Mile Report Line	145
Start Levee Mile	8.56
End Levee Mile	8.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope

UCIP\_8877.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	147
Start Levee Mile	8.72
End Levee Mile	8.72
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope with steel standpipe

UCIP\_8881.jpg



Levee Mile Report Line	149
Start Levee Mile	8.76
End Levee Mile	8.76
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side and levee crown looking upstream at crossing. Staff is standing adjacent to cavity located on landward shoulder.

UCIP\_6894.jpg



Levee Mile Report Line	155
Start Levee Mile	9.67
End Levee Mile	9.67
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee shoulder looking upstream at crossing. Crossing appurtenances include concrete riser and power pole.

UCIP\_3496.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	158
Start Levee Mile	9.79
End Levee Mile	9.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 9.79. This photo shows a building at the landside toe.

mhoffman\_f\_20130917\_028.jpg



Levee Mile Report Line	164
Start Levee Mile	10.12
End Levee Mile	10.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward shoulder and slope looking upstream at crossing.

UCIP\_3503.jpg



Levee Mile Report Line	171
Start Levee Mile	10.25
End Levee Mile	10.25
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side and levee crown looking upstream at crossing.

UCIP\_7104.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	173
Start Levee Mile	10.83
End Levee Mile	10.83
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at slope and concrete standpipe.

UCIP\_4524.jpg



Levee Mile Report Line	183
Start Levee Mile	10.95
End Levee Mile	10.95
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of landward side.

UCIP\_3535.jpg



Levee Mile Report Line	185
Start Levee Mile	11.05
End Levee Mile	11.05
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_3545.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	189
Start Levee Mile	11.17
End Levee Mile	11.17
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing. CMP riser located on waterward shoulder.

UCIP\_3555.jpg



Levee Mile Report Line	194
Start Levee Mile	11.24
End Levee Mile	11.24
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_3565.jpg



Levee Mile Report Line	199
Start Levee Mile	11.24
End Levee Mile	11.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments

L/S levee toe- Abandoned building.

mhoffman\_f\_20130917\_021.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	200
Start Levee Mile	11.28
End Levee Mile	11.28
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_3570.jpg



Levee Mile Report Line	209
Start Levee Mile	11.39
End Levee Mile	11.39
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_6937.jpg



Levee Mile Report Line	213
Start Levee Mile	11.52
End Levee Mile	11.52
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_3603.jpg



**\* Location**

LS : Land Side  
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CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Sutter Maintenance Yard Maintenance Area 0007**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	12.07	10/21/2013 10/21/2013	Matthew Hoffman

Levee Mile Report Line	217
Start Levee Mile	11.63
End Levee Mile	11.69
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landside landscaping levee mile 11.63.

mhoffman\_f\_20130917\_027.jpg



Levee Mile Report Line	218
Start Levee Mile	11.68
End Levee Mile	11.68
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

View of waterward side looking upstream at crossing.

UCIP\_4548.jpg



Levee Mile Report Line	224
Start Levee Mile	88.56
End Levee Mile	88.56
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS slope

UCIP\_8872.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement